

PATENT
89799.167400 (WA-276-US)

IN THE CLAIMS

Please cancel without prejudice claims 5 and 6.

Please add claims 10 and 11 as follows:

10. (New) A composite squirrel cage rotor, comprising:

a rotating shaft;

a polymer resin body disposed upon said shaft;

a powder having a high magnetic permeability, said powder being uniformly

5 distributed throughout said polymer resin body;

a plurality of squirrel cage conductor bars positioned axially around a periphery of
said polymer resin body, said conductor bars being partially embedded in said polymer
resin body, said conductor bars being formed of a material having a high electric
conductivity;

10 a plurality of axial slots, said axial slots formed between said conductor bars; and
cooling bodies disposed within said axial slots, said cooling bodies fixedly
retained within said axial slots by said polymer resin body, said cooling bodies dissipating
heat generated in the composite squirrel cage rotor.

11. (New) The composite squirrel cage rotor of claim 10, wherein said polymer